

LG Electronics HVAC Service & Maintenance

Hi-M.Solutek

360° Integrated HVAC Solutions



LG Electronics HVAC Service & Maintenance

Hi-M.Solutek

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*Creative Visualization. Product images shown are for representation purposes only. Actual product may vary in size. Product features may vary from model to model.



AMC

LG BECON
cloud

AHU

Water Cooled
Screw Chiller

Accessories



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About Hi-M.Solutek

Hi-M.Solutek, a subsidiary of LG Electronics since 2006, is a trusted expert in HVAC solutions, offering installation, maintenance, and repair across industries. Powered by customer trust, we continue to expand our global service footprint.

2006 Established	1100+ Expert Engineers	13 Global Subsidiaries	No. 1 Leader in HVAC Solutions
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Our Mission

We design, manage, and maintain HVAC systems tailored to each client’s space and needs, enhancing comfort, efficiency, and sustainability. Through energy-saving, eco-friendly solutions, Hi-M.Solutek is committed to creating long-term customer value and contributing to a greener future.



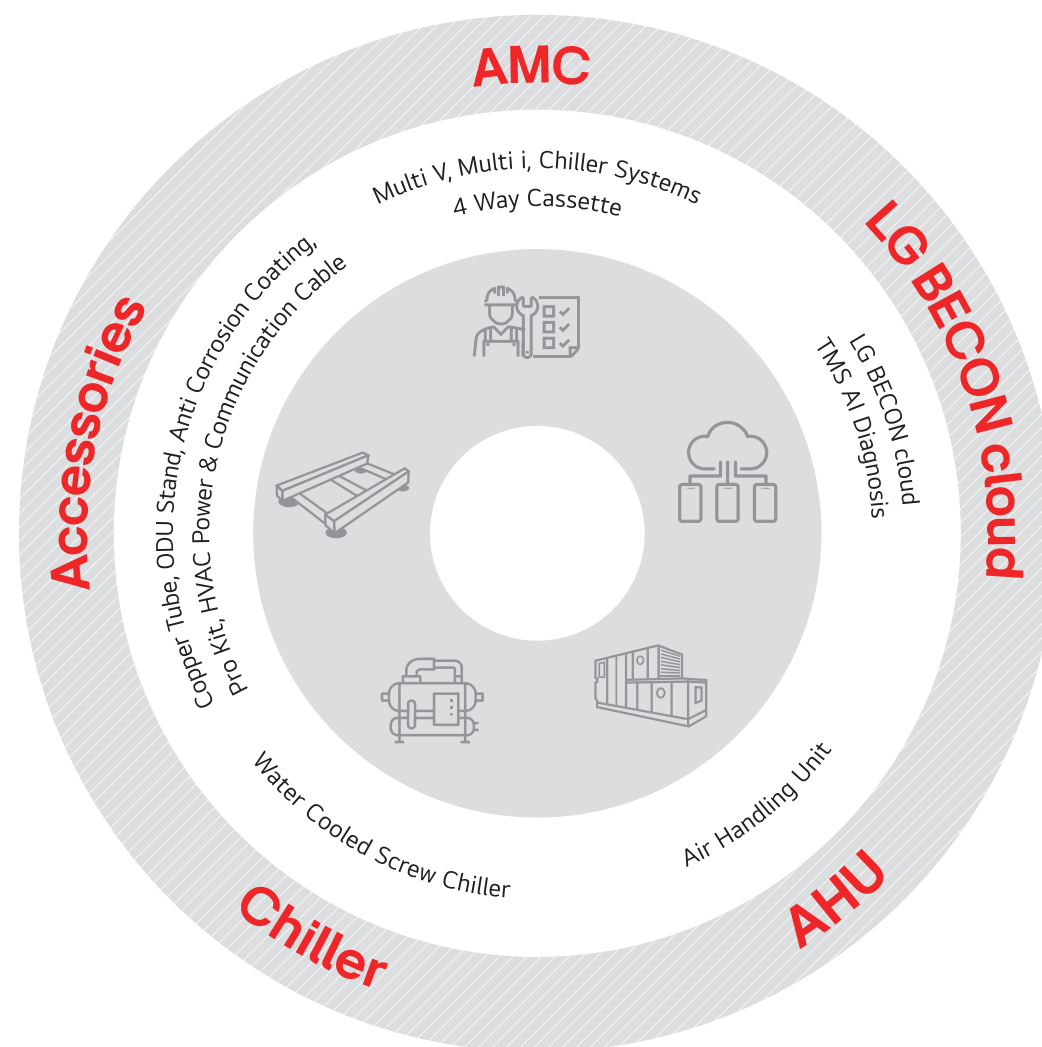
Products & Services

Hi-M.Solutek offers complete HVAC products and services designed to support system performance, reliability, and lifecycle efficiency.

The portfolio includes LG BECON cloud & TMS AI Diagnosis, a remote HVAC maintenance solution for real-time monitoring, and proactive issue detection, along with structured Annual Maintenance Contracts for Multi V, Multi i, 4 Way Cassette and Chiller Systems.

Hi-M.Solutek also provides specialised AHU services and a complete range of HVAC accessories such as copper tubes, ODU stands, anti-corrosion coating solutions, pro kit and vacuum pumps, ensuring efficient installation, preventive maintenance, and long-term operational stability across diverse HVAC environments.

Key Products & Services



1 Hi-M.Solutek Annual Maintenance Contract

Hi-M.Solutek AMC is designed to provide structured and continuous care for HVAC systems throughout their lifecycle. It enables efficient asset management, sustained performance, and long-term operational reliability.

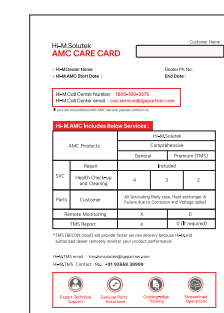
Built on extensive service expertise and advanced technical capabilities, Hi-M.Solutek ensures that every system receives expert attention. This approach helps extend equipment life, improve energy efficiency, and control maintenance costs, reinforcing Hi-M.Solutek's leadership in HVAC service excellence.

Key Benefits:

- Proactive prevention of system breakdowns
- Consistent and enhanced system performance
- Quick availability of genuine spare parts
- Trained and experienced service teams
- Prompt response to service requests
- Dedicated call center support for all customers

Why Choose Hi-M.Solutek AMC for Your Organization?

Hi-M.Solutek AMC offers complete maintenance solutions for a wide range of HVAC systems, including Multi V, Multi i, 4 Way Cassette and Chiller Systems. Each AMC is structured to simplify management while ensuring dependable system performance. Through preventive maintenance and professional oversight, Hi-M.Solutek helps organizations minimize operational disruptions, optimize system efficiency, and reduce long-term costs.



AMC Care Card



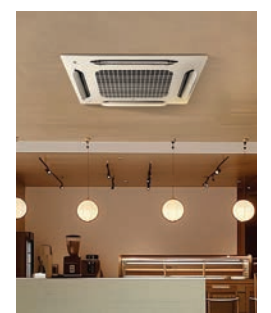
MULTI V_i



Chiller Systems



MULTI V_i



4 Way Cassette

Flexible AMC Options to Suit Your Needs

A variety of Hi-M.Solutek AMC plans are available to align with different operational requirements and budgets. Partners can select the AMC best suited to their system configuration and service expectations, ensuring the right level of care at every stage.



Hi-M.Solutek AMC Plans

Elite AMC*

Superior all-round protection, perfect for harsh coastal regions.

INCLUSIONS

- Annual ODU anti-corrosive coating
- Condenser coil repair
- Refrigerant (Gas) filling
- Unlimited breakdown calls
- Preventive Maintenance Services (PMS) at scheduled intervals
- Covers all spare parts including compressors
- Labor for repairs and servicing

EXCLUSIONS

- Physical damage, mishandling or accidents
- Electrical infrastructure faults
- Plastic Parts

*As per Standard Terms & Condition.

Comprehensive AMC*

Complete coverage to eliminate repair uncertainty and downtime.

INCLUSIONS

- Condenser coil repair
- Refrigerant (Gas) filling
- Unlimited breakdown calls
- Preventive Maintenance Services (PMS) at scheduled intervals
- Covers all spare parts including compressors
- Labor for repairs and servicing

EXCLUSIONS

- Physical damage, mishandling, damages due to corrosion, accidents
- Electrical infrastructure faults
- ODU anti-corrosive coating
- Plastic Parts

*As per Standard Terms & Condition.

Economical AMC*

Budget-friendly maintenance plan for products under warranty.

INCLUSIONS

- Condenser coil repair
- Unlimited breakdown calls
- Preventive Maintenance Services (PMS) at scheduled intervals
- Covers all spare parts except compressors
- Labor for repairs and servicing

EXCLUSIONS

- Physical damage, mishandling, damages due to corrosion, accidents
- Electrical infrastructure faults
- ODU anti-corrosive coating
- Plastic Parts

*As per Standard Terms & Condition.

Labor AMC*

Ideal for labor-only support and routine repairs.

INCLUSIONS

- Unlimited breakdown calls
- Preventive Maintenance Services (PMS) at scheduled intervals
- Labor for repairs and servicing
- Condenser coil repair

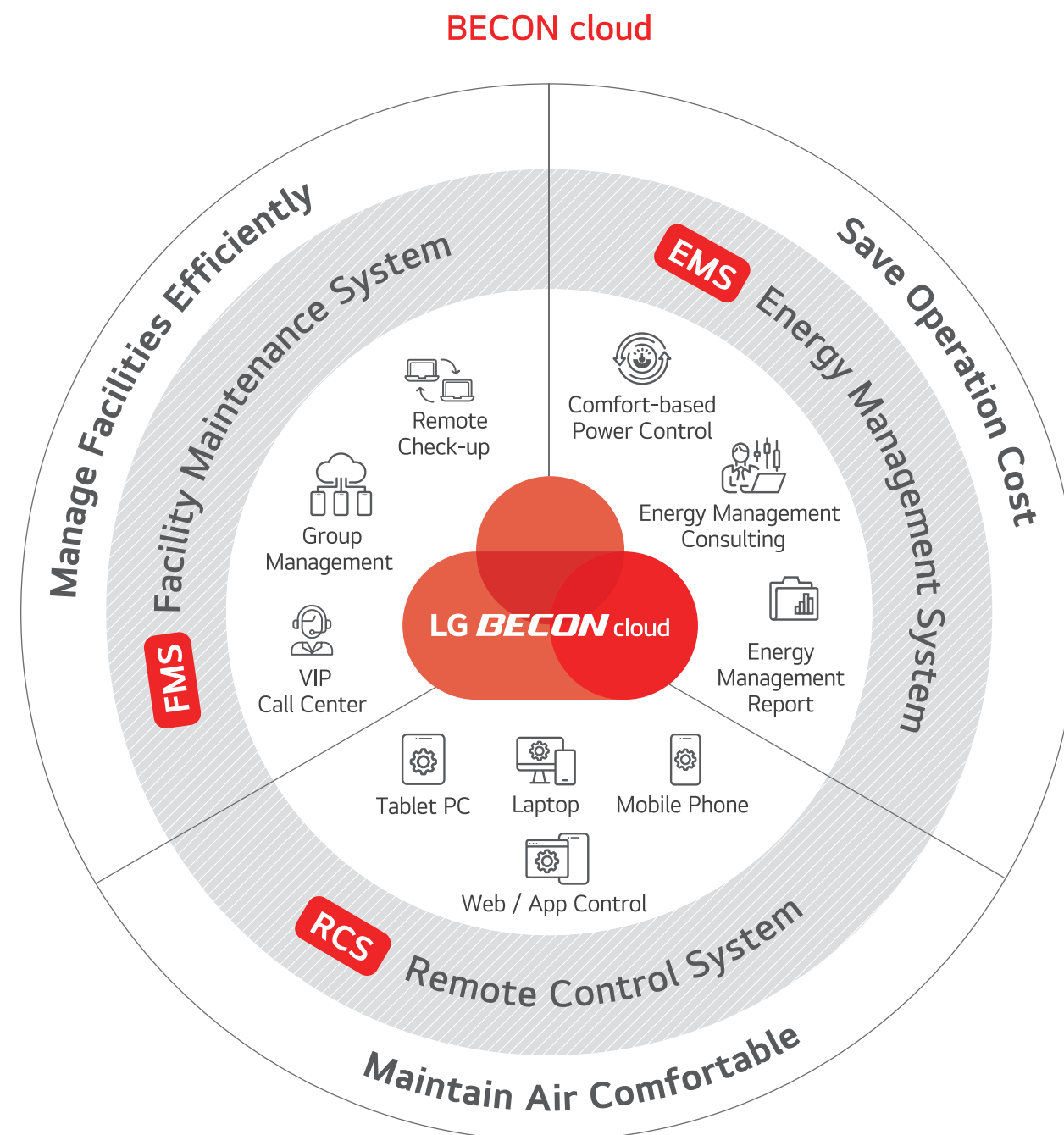
EXCLUSIONS

- All spare parts
- Physical damage, mishandling, damages due to corrosion, accidents
- Electrical infrastructure faults
- ODU anti-corrosive coating
- Plastic Parts

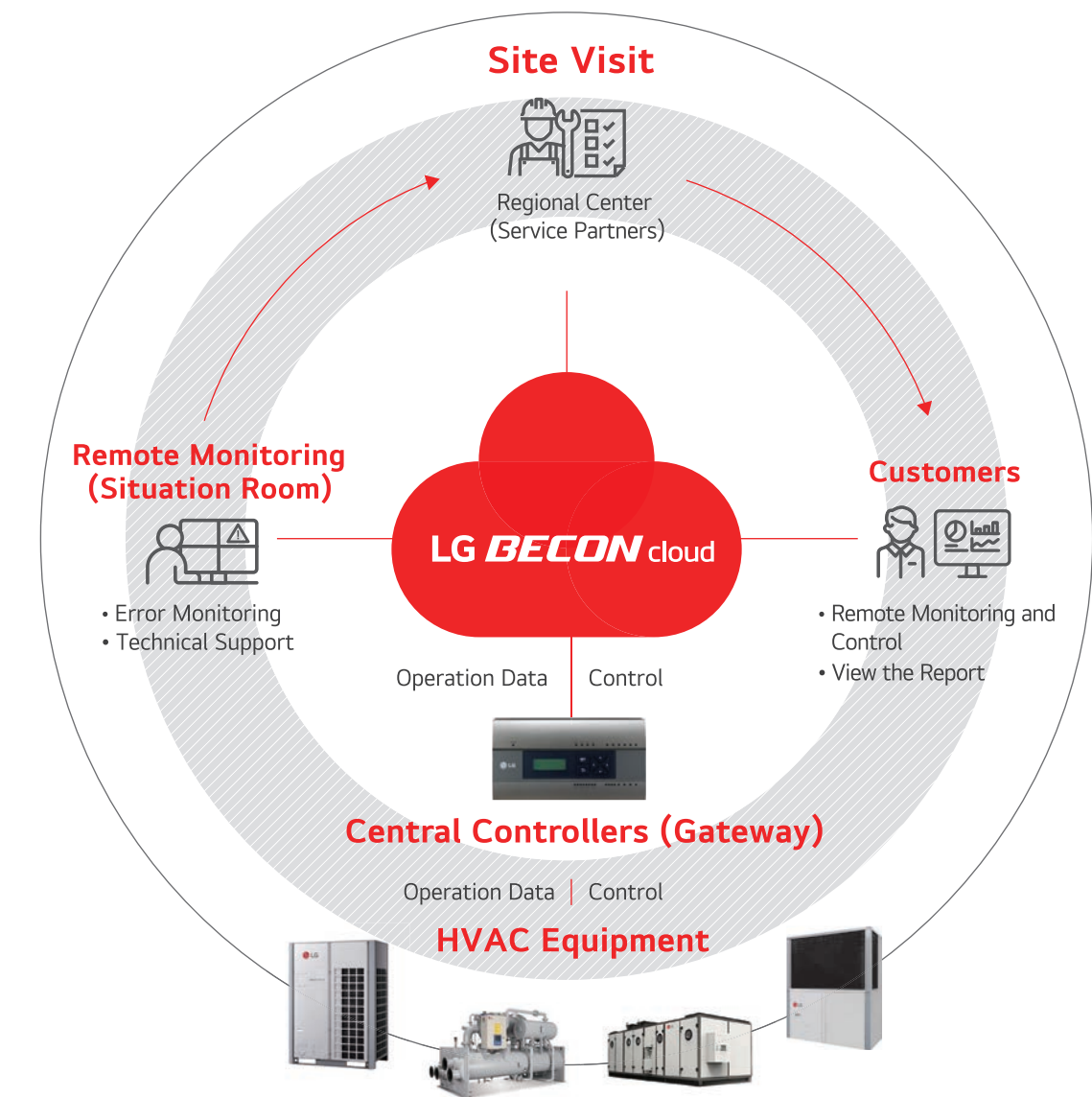
*As per Standard Terms & Condition.

2 LG BECON cloud

BECON cloud is a cloud-based platform that provides total maintenance services for Air Solution products, offering prompt dispatch services through real-time monitoring, efficient management of facilities, and energy management.



Operation Process



Real Time Monitoring



Data Analysis and Report



Monitoring and Control

* In order to use BECON cloud service, you must sign up membership and install BECON cloud app to use on a mobile device.
* For Android or iOS Users : Search for "BECON cloud" on Google Play or the Apple Store and proceed with the download.

Remote Control & Facility Management

Control more conveniently!

Manage smarter!

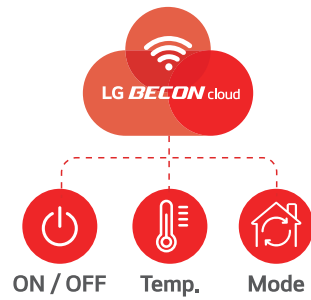
Manage faster and more conveniently in real-time!
Remote Monitoring & Control

Easy management of
devices and energy

Intuitive monitoring
by Map View

Accessible to
multiple users

Remote Control by Web / App



Maintaining a pleasant environment and
manage energy usage.

Map-Based Multi Sites Monitoring



Available when selecting map widget in dashboard.

Respond quickly with fast detection of device abnormalities!
Notification Function

Quick Response
(Customer)

Check operation in advance
(Engineer)



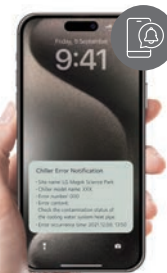
Email Error Notification
- EHP
- Chiller

Notification error

Technical consultation

Service call reception

Procedure to repair



App Push Error Notification
- Chiller

Systematic operation with continuous predictive management!
Regular Reporting

Prevent
breakdown

Reduced
operating costs



**EHP / GHP
Device Status**
For facility managers



**EHP
AI Diagnosis¹⁾**
For facility managers



**Chiller Smart
Diagnosis²⁾**
For facility managers

- 1) This service is available in South Korea. These features will become available in other countries soon and may vary by regions or countries. Stay tuned for updates.
2) Chiller Smart Diagnosis report supports centrifugal and absorption chiller.

* These functions detailed specifications may vary by country or region and maintenance service contract is required to use the various services mentioned. These images are designed to help customers understand.

Energy Management

Cost-saving effect through

Systematic Energy Management!

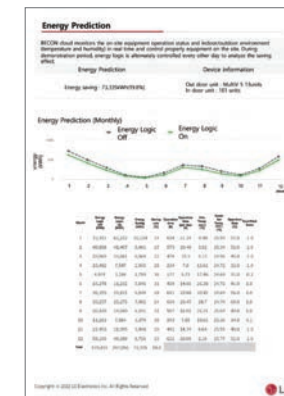
Energy Saving Solution

Provides energy management through optimal operation that maintains a comfortable environment.

Step by Step Approach of Energy Saving Solution

The 1st Stage : Prediction

Prediction of savings based on
on-site devices operation data



Prediction Report (Example)

The 2nd Stage : Demonstration

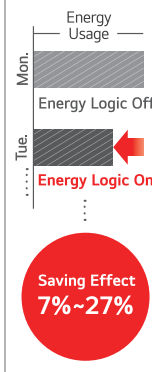
Analyze your savings by operating
energy control every other day



Demonstration Report (Example)

The 3rd Stage : Saving

Energy Saving Results,
Device Usage Analysis



Energy Waste Notification

Usage pattern analysis detects
when energy is wasted,
providing administrators with
mobile alerts and additional
energy management.



Forgot to Turn OFF



Abnormal Indoor Temp.



Defective Insulation



Excessive Operating Time



Excessive Set Temp.

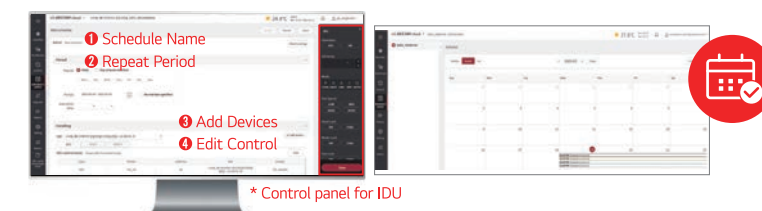


Frequent ON / OFF

* This service is expected to be available overseas in the second half of 2025. For more information on release dates, service details, supported products and controllers, please contact the service engineer or maintenance sales representative.

Schedule Management

Remotely control the operating temperature and mode or turn the device ON / OFF according to your schedule to minimize energy usage while maintaining comfort.



* This service is currently supported from Cloud Gateway SW 1.0.031 and the supported controllers will be expanded gradually.

TMS AI Diagnosis

TMS AI Diagnosis collects and analyzes product and operational data based on customer use on a daily basis, identifies system installation information, perform monitoring and inspection of major components and cycles, and detects abnormal operations or abnormal signs during product operation within the customer use environment. It minimizes the impact of human proficiency and inspection load through pre-inspection, and through system-based unified inspection judgment, it quickly provides comprehensive inspection results for the applied products installed in the field. This enables quick advance determination of whether the product is operating at an appropriate (normal) level from the customer's perspective or whether inspection is necessary.

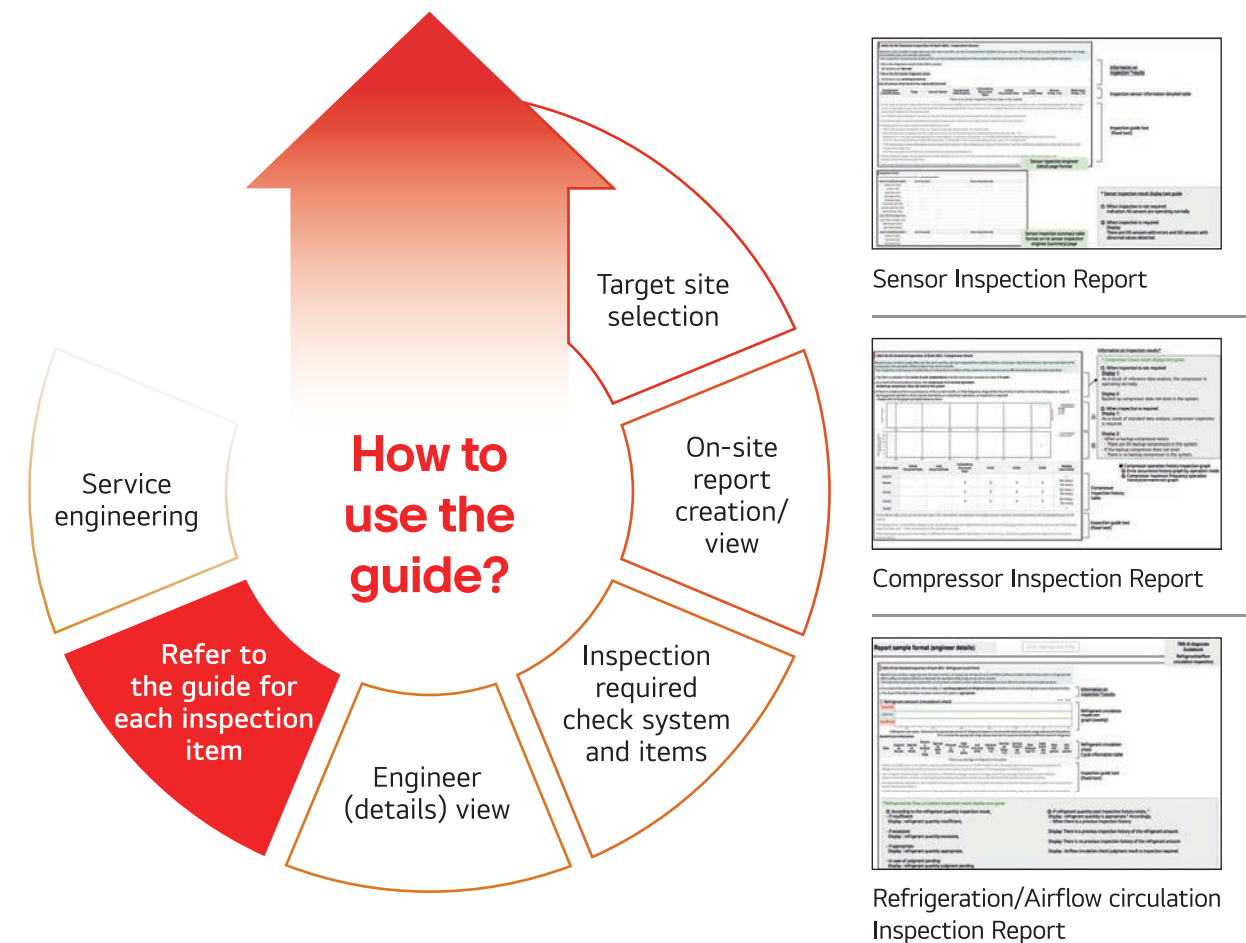
Customer Usage-based Data

After the service application, product/cycle data of the system (ODU, IDU) collected on a daily basis (24 hours a day) is used for continuous monitoring/analysis/judgment.

What does it cover?

6 Core Items Diagnostic: Compressors, Sensors, Fans (motors), Refrigerant Amount, Drain Pumps and Weak Operation.

- **Compressor:** Operation history/abnormal signal (Including PCB) inspection notification
- **Sensors:** Inspection notification through short-circuit/deviation, atmospheric and sensor temperature analysis
- **Fan (Motor):** Inspection notification based on RPM/sensor information (Including PCB)
- **Refrigerant amount:** Inspection notification based on compressor/valve/refrigerant flow rate analysis
- **Drain Pump:** Drain pump abnormality/indoor unit operation-based inspection notification
- **Weak operation:** Indoor unit sensor/valve operation based on cooling/heating temperature notification



How does TMS AI Diagnosis help?

TMS AI Diagnosis provides proactive, intelligent monitoring and inspection of HVAC systems (ODU, IDU, compressors, sensors, and airflow components) by leveraging Customer Usage-based data. It delivers significant benefits across reliability, efficiency, and customer satisfaction:

Early Detection & Prevention

- Identifies abnormal operations or warning signs before they escalate into failures.
- Prevents costly breakdowns by enabling timely maintenance and corrective actions.

Improved Efficiency

- Continuously analyzes product and cycle data 24/7 to optimize system performance.
- Ensures refrigerant circulation, airflow, and component operations remain at peak efficiency.

Reduced Human Burden

- Minimizes reliance on manual inspections and technician proficiency.
- Provides automated, unified inspection judgments that reduce workload and human error.

Comprehensive Insights

- Generates clear, system-based inspection reports for quick decision-making.
- Offers customers a transparent view of whether their product is operating normally or requires service.

Enhanced Reliability & Customer Trust

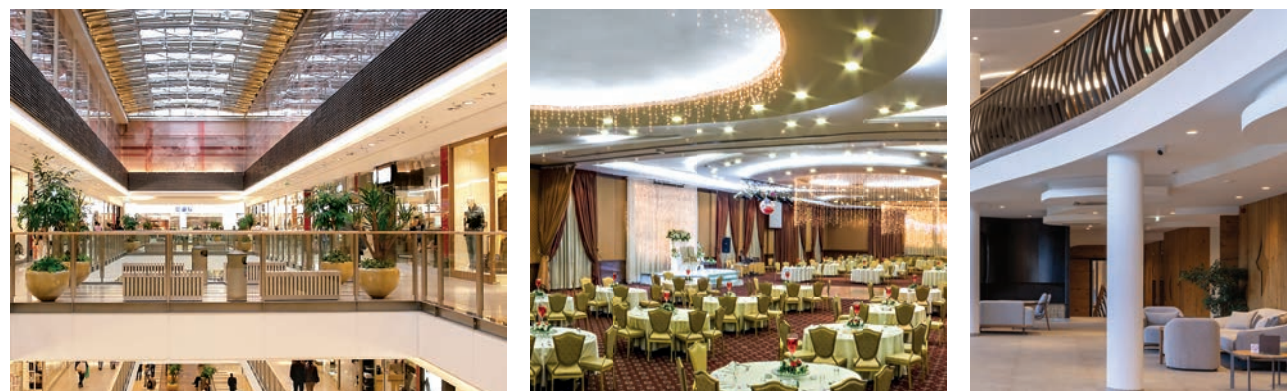
- Builds confidence by assuring customers that their systems are continuously monitored.
- Improves product lifecycle and reduces downtime through predictive maintenance.

3 AHU

The AHU (Air Handling Unit) is an advanced heat pump solution that seamlessly integrates AHU technology with LG's Multi V system, offering a versatile combination of cooling, heating, and free cooling in one compact setup. Designed to deliver a complete HVAC solution, it encompasses essential air management functions such as cooling, heating, humidification, ventilation, and air purification. Inverter-driven technology ensures significant energy savings, while its user-friendly design simplifies maintenance and serviceability, making it an ideal solution for high-performance, sustainable climate control.



Ideal for Healthcare, Commercial Spaces, Hospitality, Industrial Facilities, Data Centers, and Educational Institutions.



Built with Advanced Technology

With a state-of-the-art manufacturing facility equipped with advanced machinery, Hi-M.Solutek is poised to offer its customers a more advanced and bigger range of premium, more energy-efficient Air Handling products. Our manufacturing and quality processes are in line with the latest industry standards, ensuring quality products for our customers. Our units are equipped to cater to both standard as well as critical applications, with a wide selection of components to meet each need.

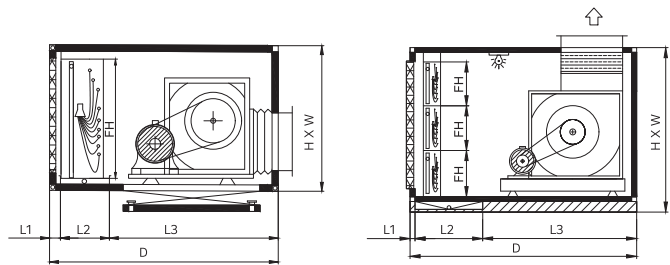
Special Features

- **Applications**
Cooling, Heating, Humidification, Ventilation.
- **Framework**
Mainframe of self-supporting hollow extruded Aluminum profile.
- **Frame Panels**
Double Skin CFC / HFC free PUF injected 25 / 43 / 50 / 75 mm thick panels. Various skin options are available in plain GSS, pre-painted GSS, Aluminum, Stainless steel as per duty requirements.
- **Fan Section**
Fan Section contains belts driven DIDW Forward / Backward / Aerofoil Backward curved Centrifugal Blower & direct driven Plug Fans (VFD is mandatory for plug fan).
- **Fan/Motor Assembly**
Fan and Motor assembly mounted on common base frame of Extruded Aluminum Profile on vibration isolators.
- **Coil Section**
Coil Section designed for CHW / HW / DX high efficiency heat transfer coils.
- **Drain Pan**
Single Slopping Aluminum / Stainless steel drain pan mounted on PUF insulated bottom panel.
- **Filter Section**
Flat Filter Section designed for Synthetic pleated pre-filters. Choice of filtration is available as per required duty conditions levels.
- **Outdoor Installation**
Overhead canopy available for outdoor installation.
- **Optional Sections**
Mixing chamber - For Fresh Air & Return Air mixing. Manual / Motorized controls- optional.
Micro 'V' / Hepa / Bag / EU- 4 / EU- 7 / EU- 9 / EU- 13 / Special Filtration Filter Section. Heat Recovery Wheel Section. Spray / Pan Humidification Section / UVL section. Other Special Sections as per individual customer requirements.

Specifications

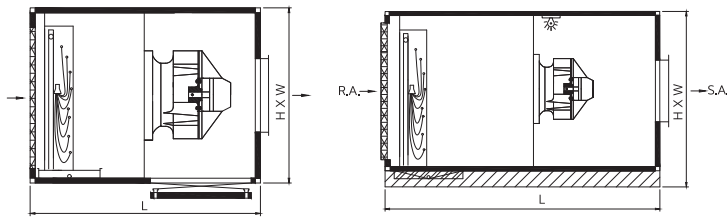
Series 1

BC/FC Fan with
Induction Motor (Belt Driven)



AHU	Air Qty	Static Pressure	Approx. Dimensions (mm)			Blower Model	Motor Size (HP)	No. of Rows	Face Area (Sq. Ft.)
	(CFM)	(mmAq)	H	W	D				
Hi-M-DS-CS-DX (3/8")-TB-50-FC-W/O VFD & DAMPER (Ceiling Concealed)	2500	35	750	1350	1150	12"x 1	1.5	4	5.0
	3000	35	750	1750	1000	9"x 2	1.5	4	6.0
	4000	35	700	2100	1050	10"x 2	2.0	4	8.0
	5000	35	750	2250	1150	12"x 2	3.0	4	10.0
Hi-M-DS-FM-H-DX (3/8")-TB-50-BC-W/O VFD & DAMPER (Floor Mounted)	8000	40	1550	1500	1700	BC-500 X 1	5.0	4	16.0
	10000	40	1550	1950	1950	BC-560 X 1	5.0	4	20.0
	12000	40	1650	2200	2300	BC-630 X 1	7.5	4	24.0
	15000	40	1850	2200	2300	BC-710 X 1	7.5	4	30.0
	18000	40	1850	2550	2400	BC-800 X 1	7.5	4	36.0
	20000	40	1900	2650	2400	BC-800 X 1	10.0	4	40.0

Component	Description
- Drain Pan (Floor Mounted) - Drain Pan (Ceiling Suspended) - Blower (Belt Driven-Floor Mounted) - Blower (Belt Driven-Ceiling Suspended) - Blower & Motor Mounting	22G SS-304 Sheet Drain pan duly PUF (injection) insulated and covered with Plain GI sheet. 22G SS-304 Sheet Drain pan with 12 mm Nitrile rubber insulation DIDW Backward Curved blower make 'WOLTER' DIDW Forward Curved blower make 'WOLTER' / 'NICOTRA' For Floor Mounted: Blower and Motor are mounted on common extruded aluminum /GI Channel base frame with rubber mount vibration isolators and connected to the casing with Fire Retardant canvas connection. Inspection door are equipped with Limit Switch, Marine Light & Safety Guard
Motor	TEFC (IE-02 Ref. std, IS:12615-2011) motor makes Crompton / Siemens / Havells/ LHP (For VFD Motor-Cable Length to be less than or equal to 13 meters and voltage to be 415Volts + 10% at motor terminal while starting (Not running) Accessories: VFD (IPC20/FC51), Damper



Series 2

EC Fan & Motor with Potentiometer

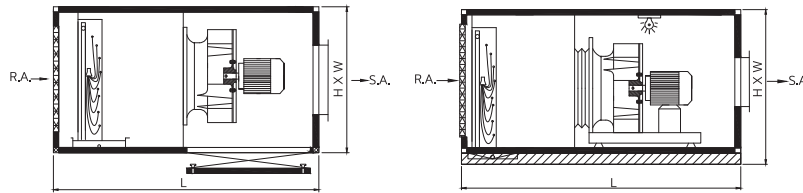
AHU	Air Qty	Static Pressure	Approx. Dimensions (mm)			Blower Model	Motor Size (kW)	No. of Rows	Face Area (Sq. Ft.)
	(CFM)	(mmAq)	H	W	D				
Hi-M-DS-CS-DX (3/8")-TB-50-EC FAN & POTENTIOMETER-W/O DAMPER, SMART PANEL & SENSOR (Ceiling Concealed)	2500	40	750	1150	1500	PFE-EC 355D1 X 1	1.1 X 1	4	5
	3000	40	750	1300	1500	PFE-EC 400D1 X 1	1.58 X 1	4	6
	4000	40	700	1975	1500	PFE-EC 355D1 X 2	1.1 X 2	4	8
	5000	40	700	2150	1500	PFE-EC 355D1 X 2	1.1 X 2	4	10
Hi-M-DS-FM-H-DX (3/8")-TB-50-EC FAN & POTENTIOMETER-W/O DAMPER, SMART PANEL & SENSOR (Floor Mounted)	8000	40	1250	1900	1850	PFE-EC 630D1 X 1	3.5 X 1	4	16
	10000	40	1250	2250	1850	PFE-EC 500D1 X 2	3.46 X 2	4	20
	12000	40	1250	2650	1850	PFE-EC 500D1 X 2	3.46 X 2	4	24
	15000	40	1550	2550	2050	PFE-EC 560D1 X 2	3.53 X 2	4	30
	18000	40	1550	2960	2050	PFE-EC 630D4 X 2	4.1 X 2	4	36
	20000	40	1750	2960	2100	PFE-EC 630D4 X 2	4.1 X 2	4	40

Component	Description
- Drain Pan (Floor Mounted) - Drain Pan (Ceiling Suspended) - Blower & Motor (Three Phase)	22G SS-304 sheet with PUF (injection) insulation, covered with plain GI sheet 22G SS-304 sheet with 12 mm nitrile rubber insulation EC fan and motor (Make: WOLTER) with potentiometer (without smart panel, sensors, or controls) Construction as per manufacturer standard Inspection door equipped with limit switch, marine light & safety guard
Fan Section (Floor Mounting)	Accessories: Smart Panel, Damper, Temp Sensor

Specifications

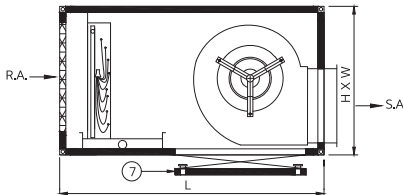
Series 3

Plug Fan With TEFC
Induction Motor



AHU	Air Qty	Static Pressure	Approx. Dimensions (mm)			Blower Model	Motor Size (HP)	No. of Rows	Face Area (Sq. Ft.)
	(CFM)	(mmAq)	H	W	D				
Hi-M-DS-CS-DX (3/8")-TB-50-PFBC-W/O VFD & DAMPER (Ceiling Concealed)	2500	40	775	1100	1600	PFE-450 X 1	1.5/4P X 1	4	5
	3000	40	775	1325	1600	PFE-450 X 1	1.5/4P X 1	4	6
	4000	40	850	1475	1650	PFE-500 X 1	2.0/4P X 1	4	8
	5000	40	775	1850	1600	PFE-450 X 2	1.5/4P X 2	4	10
	8000	40	1400	1650	2200	PFE-630 X 1	5.0/4P X 1	4	16
Hi-M-DS-FM-H-DX (3/8")-TB-50-PFBC-W/O VFD & DAMPER (Floor Mounted)	10000	40	1400	1900	2200	PFE-630 X 1	7.5/4P X 1	4	20
	12000	40	1550	2550	2350	PFE-710 X 1	7.5/4P X 1	4	24
	15000	40	1550	2800	2350	PFE-710 X 1	10.0/4P X 1	4	30
	18000	40	1600	2950	2450	PFE-800 X 1	15.0/4P X 1	4	36
	20000	40	1650	3000	2600	PFE-900 X 1	15.0/4P X 1	4	40

Component	Description
- Drain Pan (Floor Mounted) - Drain Pan (Ceiling Suspended) - Blower (Direct Driven PLUG) - Blower & Motor Mounting (Floor Mounted)	22G SS-304 Sheet Drain pan duly PUF (injection) insulated and covered with Plain GI sheet. 22G SS-304 Sheet Drain pan with 12 mm Nitrile rubber insulation Backward curved Plug Fan make 'WOLTER' with VFD (IP20/FC51) Blower and Motor are mounted on common extruded aluminum /GI Channel base frame with rubber mount vibration isolators and connected to the casing with Fire Retardant canvas connection. Inspection door are equipped with Limit Switch, Marine Light & Safety Guard
- Fan Section (Floor Mounting) - Motor (Plug Fan)	Inspection door are equipped with Limit Switch, Marine Light & Safety Guard TEFC (IE-02 Ref. std, IS:12615-2011) motor makes Crompton / Siemens / Havells / LHP (For VFD Motor-Cable Length to be less than or equal to 13 meters and voltage to be 415Volts + 10% at motor terminal while starting (Not running) Accessories: VFD (IP20/FC51), Damper



Series 4

DIDW With EC Motor & Potentiometer

AHU	Air Qty	Static Pressure	Approx. Dimensions (mm)			Blower Model	Motor Size (kW)	No of Rows	Face Area (Sq. Ft.)
	(CFM)	(mmAq)	H	W	D				
Hi-M-DS-CS-DX (3/8")-TB-50-DD (SINGLE PHASE)-EC MOTOR & POTENTIOMETER-W/O DAMPER & SENSOR (Ceiling Concealed)	2500	35	675	1350	1000	11" X 11" - 2	400	4	5
	3000	35	675	1450	1000	11" X 11" - 2	600	4	6
	4000	35	750	1625	1050	12" X 9" - 2	900	4	8
	5000	35	800	1850	1125	BC 400 - 2	1250	4	10

Component	Description
- Drain Pan (Ceiling Suspended) - Blower & Motor (Single Phase)	22G SS-304 sheet with 12 mm nitrile rubber insulation Direct drive fan (Make: WOLTER) with EC motor and potentiometer Accessory: Damper

Common Features: Series 1, 2, 3 & 4

Component	Description	Component	Description
- Outer Skin - Inner Skin - Framework - Panel Thickness	0.6 mm thick pre-coated sheet 0.6 mm thick plain GI sheet Extruded aluminum with thermal break profile 50 ± 2 mm thick	- Panel Insulation - Pre-Filters - Panel Insulation - Cooling Coils Rows	PUF (Injected) Insulation (CFC/HFC Free & Fire retardant) 50 mm thick synthetic media with aluminum frame 40kg/m³ Density 4,6,8

4 Hi-M.Solutek Water Cooled Screw Chiller

Hi-M.Solutek brand chiller package unit works on HFC-134a refrigerant with VFD / Star Delta Starter, incorporating a compressor block coupled to an electric motor suitable for 415 V, 50 Hz, 3P, 4W electrical supply, and mounted on a common steel base frame, piped, wired, and factory-tested.



Screw Compressor Features

- Twin screw semi-hermetic compressor
- Special "N rack generated" rotor profile
- High efficiency due to special rotor profile
- Anti-friction bearings are used to reduce power consumption
- Separate radial & axial forced bearings enhance the lifespan
- Stepless capacity control
- Less vibration
- In-built safety devices
- High-precision machined components
- Fully mechanically tested at peak load
- No premature wear and tear
- API-grade steel forged rotors for high-pressure performance

Evaporators & Condensers

- Compact DX / Flooded grooved finned tube and shell design evaporators.
- Evaporators are manufactured using copper tubes to improve the heat transfer coefficient design.
- Evaporator shell is insulated with closed-cell nitrile foam.
- Due to a better design, pressure drops are maintained at low levels.
- The condensers are compact due to the use of the latest and advanced high-efficiency inner-grooved tubes. Depending on the number of compressors in the chiller package, an equal number of independent refrigeration circuits are created. This offers high flexibility of operation in multiple circuits if one circuit is not operative.

Control Features

- Touchscreen with graphical display
- Manual and automatic control
- PLC controller cum starter
- Programmable control logic customized to chiller data for various applications and comfort air conditioning
- All water sensors with an accuracy of ± 0.1 degrees centigrade
- Danfoss expansion valve with display and superheat control

5 Accessories

Reliable HVAC performance depends not only on advanced systems but also on the quality of supporting accessories. Hi-M.Solutek's HVAC accessories are designed to ensure precise installation, long-term durability, and optimal system efficiency. From installation essentials to maintenance tools, each accessory supports consistent performance and dependable operation across diverse site conditions.

Vacuum Pump



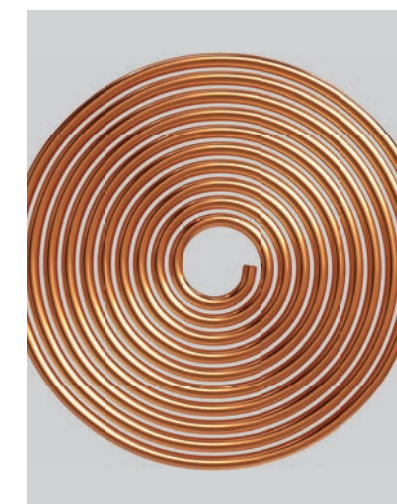
ODU Stand



Pro Kit



Anti Corrosion Coating



Copper Tube



Cable Wire

Copper Tube

Hi-M.Solutek India Private Ltd is marketing high-quality Copper in Soft Coils and Hard Tubes which are manufactured in India using environment friendly technologies and passing stringent Quality tests based on Global Standards.

Technical Specifications

Mother Copper Tube

Copper mother tube used for air conditioning and refrigeration system refrigerant tubing should be Copper Tubes conforming to following specifications.

1. Material composition should be conforming to C-1220 (JIS-H-3300) or C-12200 (ASTM) It should have a minimum copper content of 99.90% mi. And Phosphorus content between 0.015% to 0.040%,
2. It should also be as per the RoHS norms specified by EU; that is Mercury, Chromium and lead contents below 1000ppm, and cadmium content below 100ppm.
3. Physical properties of the material should conform to JIS-H-3300 / ASTM B-68 & B-75, IS 10773:1995, Should be tested for Tensile / elongation / hardness / grain size tests as per ASTM B-280.
4. Dimensional tolerance should be as per JIS-H-3300/ASTMB-251/IS 10773:1995.

Finish Copper Tube

1. De-oxidized high phosphatized copper (DHP grade) raw material with chemical composition of copper =99.9%: Phosphorus=0.015 to 0.040%.
2. RoHS compliant.
3. 360-degree concentric wall thickness along the entire length of the tubes.
4. Half hard-drawn copper tube should confirm to ASTM B-75/ASTM280/ (C12200) / JIS-H-3300 (C1220)/BS 2871 PART3 (C106), IS 10773:1995.
5. Soft copper tubes bright annealed (mirror finish) should confirm to s ASTM B-68/JIS-H-3300/IS 10773.
6. Low residue content below the permissible level of 0.20 mg/dm2 compatibility with use of CFC free & CFC refrigerant.
7. 100% eddy current tested tubes are to be used.
8. Proper packaging storage and traceability of tubes.

Product Range

Soft Copper Coil

S No.	Hi-M model	Description	Type	Inch		MM	Thickness (MM)	Length (Feet)	Weight Per pipe in kgs.
1	HIM6351508	1/4" (6.4mm) x 21 swg (0.8mm)	Soft	1/4"	0.25	6.35	0.8	50	1.85
2	HIM9531508	3/8 " (9.5mm) x 21 swg (0.8mm)	Soft	3/8"	0.38	9.53	0.8	50	2.95
3	HIM1271508	1/2" (12.7mm) x 21 swg (0.8mm)	Soft	1/2"	0.5	12.7	0.8	50	3.95
4	HIM1591510	5/8" (15.9mm) x 19 swg (0.99mm)	Soft	5/8"	0.63	6.35	0.99	50	6.35
5	HIM1911510	3/4" (19.1mm) x 19 swg (0.99mm)	Soft	3/4"	0.75	9.53	0.99	50	7.55

Copper Hard Tube

S No.	Hi-M model	Description	Type	Inch		MM	Thickness (MM)	Length (Feet)	Weight Per pipe in kgs.
6	HIM6350308	1/4" (6.4mm) x 21 swg (0.8mm)	Hard	1/4"	0.25	6.4	0.8	10	0.386
7	HIM9530308	3/8 " (9.5mm) x 21 swg (0.8mm)	Hard	3/8"	0.38	9.5	0.8	10	0.607
8	HIM1270308	1/2" (12.7mm) x 21swg (0.8mm)	Hard	1/2"	0.5	12.7	0.8	10	0.829
9	HIM1590310	5/8" (15.9mm) x 19 swg (0.99mm)	Hard	5/8"	0.63	15.9	0.99	10	1.296
10	HIM1910310	3/4" (19.1mm) x 19 swg (1mm)	Hard	3/4"	0.75	19.1	1	10	1.549
11	HIM2220310	7/8" (22.2mm) x 19 swg (1mm)	Hard	7/8"	0.88	22.2	1	10	1.816
12	HIM2540310	1.0" (25.4mm) x 19 swg (0.99mm)	Hard	1.0"	1	25.4	0.99	10	2.1
13	HIM2860310	1 1/8" (28.6mm) x 19 swg (0.99mm)	Hard	1 1/8"	1.13	28.6	0.99	10	2.4
14	HIM3180311	1 1/4" (31.8mm) x 18.5 swg (1.1mm)	Hard	1 1/4"	1.25	31.8	1.1	10	2.869
15	HIM3490312	1 3/8" (34.9mm) x 18 swg (1.21mm)	Hard	1 3/8"	1.38	34.9	1.21	10	3.521
16	HIM3810313	1 1/2" (38.1mm) x 17.5 swg (1.3mm)	Hard	1 1/2"	1.5	38.1	1.3	10	4.085
17	HIM4130314	1 5/8" (41.3mm) x 17 swg (1.43mm)	Hard	1 5/8"	1.63	41.3	1.43	10	4.86

*Customised Sizes can also be made as per specifications

• This Catalog is intended solely for marketing purposes. Please refer to the product label for mandatory declarations and product information

• Creative visualization, product images shown are for representation purpose only. Product images may vary in size. Product features may vary from model to model.

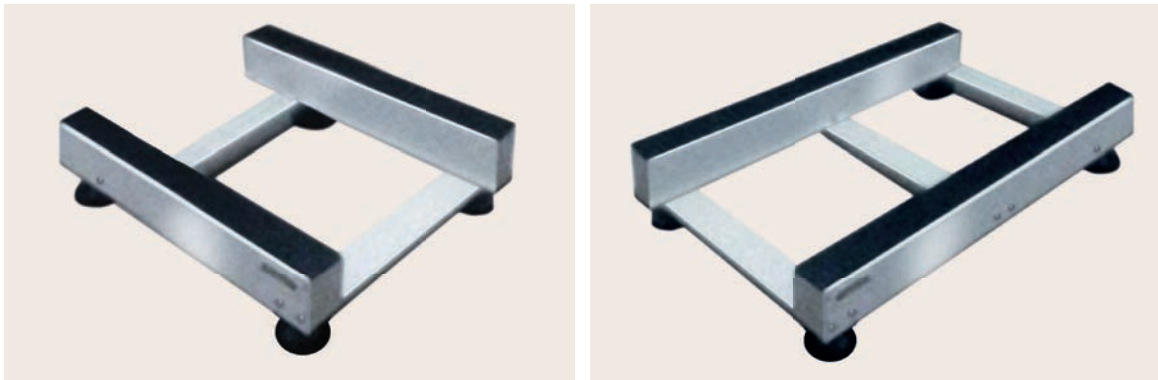
• Terms & Conditions Apply

Air Conditioner Outdoor Unit Stand

Hi-M.Solutek Stands are designed to provide unmatched support and durability for LG as well as other Air Conditioning Systems. From residential air conditioning to Multi V outdoor units, our stands ensure secure placement, rust resistance, and easy installation. Every stand is engineered to deliver strength, longevity, and a neat finish for professional installations.

Metal Stand for VRF*

Hi-M.Solutek MV ODU Metal Stands are designed for Multi V, VRF/VRV outdoor units, offering superior load-bearing strength, corrosion resistance, and installation flexibility.



Model No.	Product Name	Specs (WxD)	Applicable Models
TOS814	MV ODU stand 814	GI Stand# 930*775 (mm)	LG Multi V 8-14 HP
TOS1626	MV ODU stand 1626	GI Stand# 1240*775 (mm)	LG Multi V 16- 26 HP

*Adjustable Height.

Premium Look
With Practical
Design



Plastic Stand for Residential ODU*

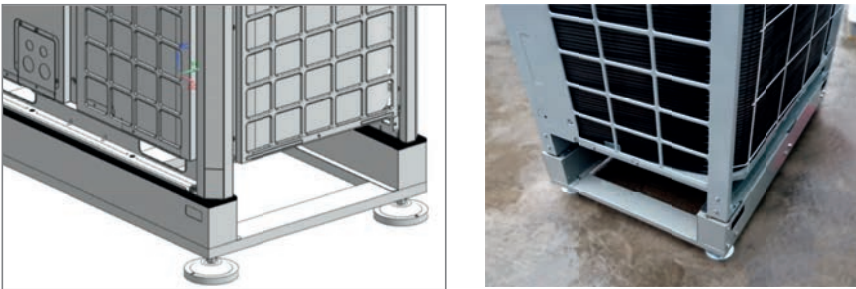
Hi-M.Solutek Plastic PP Stands are specially made for **Multi V S, Cassette**, and **Multi i Home Series, Inverter Ductable, MV Side Discharge** outdoor units, offering a perfect balance of strength and lightweight convenience.



Model No.	Product Name	Specs (WxHxD)	Applicable Models
Hi-M 520AB	Single outdoor unit stand type 520	550*126*150 (mm)	Inverter Ductable 11 Tr, MV Side Discharge (12-14 HP & 10 HP Heat Pump Only).
Hi-M-430AB	Single outdoor unit stand type 430	484*128*150 (mm)	Multi i Home, All Cassettes (4 Way, 1 Way), Inverter Ductable (1.5 Tr to 8.5 Tr), MV Side Discharge (4-8HP & 10 HP Cooling Only).

*These stands are applicable for select Multi V, VRV/VRF outdoor units available in the market.

Clean
Installation
With Under
Piping



Key Features & Benefits

- **Durable Powder-Coated Finish**
Offers long-lasting protection, aesthetic appeal, and resistance to corrosion.
- **Strength-Tested Construction**
Designed to withstand heavy loads and pressure for dependable performance.
- **Lightweight Yet Strong**
Ideal for residential applications, combining portability with robust strength.
- **Height-Adjustable Legs**
Ensure perfect leveling and stability even on uneven surfaces.
- **Stainless Steel Accessories**
Rust-proof, highly durable, and built to endure harsh outdoor conditions.
- **Quick & Easy Installation**
Simplified setup with ample under-piping clearance for a clean, professional layout.



Enkay Test House

Approved by Government of New Delhi, India. ISO 9001:2015 & ISO 17025:2017 (with Extension)

R-369, Block-B, Near Mangalpur Industrial Area Phase-I New Delhi-110083

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Tel: +91-11-27914106, Mobile No: +91-8929670266, +91-9717658257

ISO 9001:2015 & ISO 17025:2017 & 10000:2005

TESTING OF DRUGS, CHEMICALS, MINERAL WATERS & FOODS, BUILDING MATERIALS, CALIBRATION
Non-Destructive Testing (NDT) & Instruments Supply Services



TEST REPORT

Sample Name: MS Sheet Metal Part (Small Size Panel)	Ref. No: Nil	Page No.: 01 of 01
Customer Name: M/s. Exilon Industries	Sample Quantity: 1 Pcs	
Customer Address: F-007, Site-B, Surajpur Industrial Area, Greater Noida U.P.-201308	Sample Condition: In Tagged	
Report No.: 20241214Gen002	Report Date: 17/12/2024	
Sample Received Date: 14/12/2024	Reporting Date: 17/12/2024	
Job Code: ETH/BM/20241214Gen002	Duration of Testing: 14/12/2024 to 17/12/2024	

Sr. No.	Test Parameters	Units of Measurements	Results	Specification	Method Reference
1.	Load Test, Kgs	Kgs	Pass the test No Bend Observed During Test. (Safe Load-800 Kgs)	Maximum Load Capacity, Kgs = 800 x 1.25 i.e Final Load Applied = 1000.0 Kgs as per IS 516:2000 RA2019.	IS 456:2000 RA 2019
3.	Elongation Load, kgs	Kgs	817.5	-	IS 456:2000 RA 2019 By Measurement

Remarks: - The Sample Passes the Specification for MS Sheet Metal Part with respect to Above Test only. The test samples are received in good condition. Test method as agreed by the customer. This Test report is only for the sample tested as supplied by the customer.

End of Report

B. N. JHA
Lab. Incharge
For Enkay Test House
Verified By

S. SINGH
Tech. Manager
Authorized Signatory

(1) The results related to test only to test sample and not applicable to product. If environment of product is different, different treatment is required.
(2) Testability of our Lab is limited to the received amount. (3) Sample will be destroyed after 30 days from the date of test certificate unless specified otherwise. (4) This report is not to be reproduced, stored in a retrieval system, or used in any way without the prior written permission of Enkay Test House. (5) Report for the sample submitted to us and not drawn by Enkay Test House unless otherwise specified.

www.enkaytesthouse.com



Enkay Test House

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JAS-ANZ



TESTING OF DRUGS, CHEMICALS, MINERAL WATERS & FOODS, BUILDING MATERIALS, CALIBRATION

Non-Destructive Testing (NDT) & Instruments Supply Services

TEST REPORT

Sample Name: MS Sheet Metal Part (Big Size Panel)	Ref. No: Nil	Page No.: 01 of 01
Customer Name: M/s. Exilon Industries	Sample Quantity: 1 Pcs	
Customer Address: F-007, Site-B, Surajpur Industrial Area, Greater Noida U.P.-201308	Sample Condition: In Tagged	
Report No.: 20241214Gen001	Report Date: 17/12/2024	
Sample Received Date: 14/12/2024	Reporting Date: 17/12/2024	
Job Code: ETH/BM/20241214Gen001	Duration of Testing: 14/12/2024 to 17/12/2024	

Sr. No.	Test Parameters	Units of Measurements	Results	Specification	Method Reference
1.	Load Test, Kgs	Kgs	Pass the test No Bend Observed During Test. (Safe Load-1200 Kgs)	Maximum Load Capacity, Kgs = 1200 x 1.25 i.e Final Load Applied = 1500.0 Kgs as per IS 516:2000 RA2019.	IS 456:2000 RA 2019
3.	Elongation Load, kgs	Kgs	1295.8	-	IS 456:2000 RA 2019 By Measurement

Remarks: - The Sample Passes the Specification for MS Sheet Metal Part with respect to Above Test only. The test samples are received in good condition. Test method as agreed by the customer. This Test report is only for the sample tested as supplied by the customer.

End of Report

B. N. JHA
Lab. Incharge
For Enkay Test House
Verified By

S. SINGH
Tech. Manager
Authorized Signatory

www.enkaytesthouse.com

Anti-Corrosion Coating

About Hi-M SuperShield 1000

Hi-M SuperShield 1000 is a high-performance protective coating spray designed to safeguard AC outdoor components across Residential and Light Commercial categories. Its advanced anti-corrosive formulation forms a durable, uniform protective layer that helps maintain performance consistency even in harsh environments.



Ideal for Residential & Light Commercial ACs

Light Commercial Products



1 Way Cassette



Wall Mount



Outdoor Unit



Low Static Duct



MULTI i Home

About Hi-M Armor Pro

Hi-M Armor Pro is a high-performance anti-corrosive protective coating, supplied through a professional-grade canister system and engineered specifically for large-capacity Commercial Air-conditioning outdoor units. It creates a durable, uniform protective layer that helps safeguard critical components and maintain consistent system performance.



Ideal for Commercial Air Conditioners

Ideal for high-capacity outdoor units installed in demanding commercial environments such as rooftops, coastal regions, industrial areas, and high-pollution zones.



High-Performance Evacuation Solutions by Hi-M.Solutek

Hi-M.Solutek procures its Pro Kit and Vacuum Pump from Uniweld, bringing together advanced evacuation tools and robust vacuum technology for faster, safer, and more efficient system servicing. The combination of the MaxEvac® Pro Evacuation Kit and MaxEvac™ sparkless vacuum pump ensures optimized flow, reduced evacuation time, and dependable performance across varied field conditions.

Pro Kit

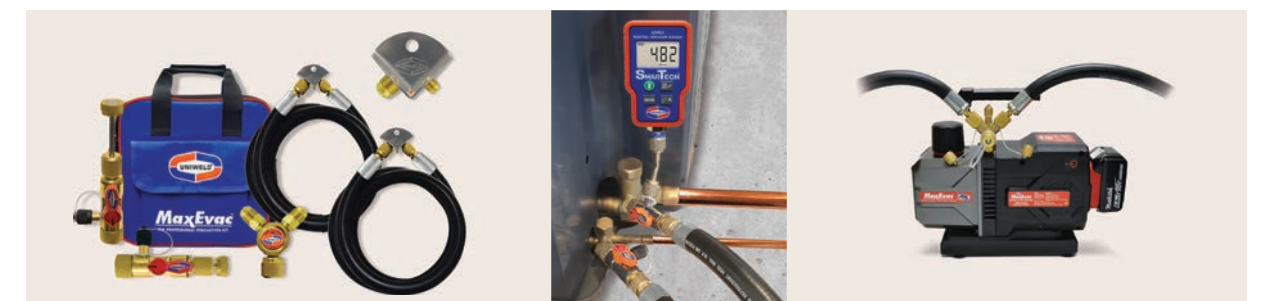
The MaxEvac® Kit maximizes vacuum efficiency for faster evacuations. The large 1/2" diameter dedicated evacuation hoses maximize the suction capacity of the vacuum pump. Smaller diameter hoses restrict flow and limit the vacuum pump's ability to achieve its full suction capacity. The Y adapter provides a dual-hose connection to any vacuum pump, and the 20-micron rated valve core tools remove the restrictive high- and low-side valve cores to significantly increase flow. The metal hose protector keeps hoses sealed and protects them from dirt and debris.

MaxEvac® Pro Evacuation Kit Includes:

- (2) Black 6 ft. 1/2" MaxEvac® Hose 3/8" x 1/4" Fittings
- (2) 1/4" Valve Core Removal Tool with 1/4" Side Port
- (2) Metal Hose Protector 3/8"x1/4"
- (1) Y Adapter 3/8" FF x (2) 3/8" MF
- (1) MaxEvac® Durable Storage Bag



- The UVG3 Digital Vacuum Gauge (sold separately) easily connects to the side port on the core tool for accurate vacuum measurement.
- The metal hose protector is also available separately. 1 MEHP is included with each MaxEvac® hose.
- The MaxEvac® Y adapter provides a dual-hose connection to any vacuum pump for maximum vacuum efficiency.



Vacuum Pump

The MaxEvac™ sparkless vacuum pumps are A2L compatible and designed to maximize your evacuation efficiency. The high-capacity intake fitting has dual 3/8" connections in a Y shape to increase flow. The gas ballast allows dry atmospheric air to enter the second-stage chamber and prevents water vapor from condensing before it is exhausted from the vacuum pump. This extends the life of the vacuum pump oil, which means fewer oil changes.

Features:

- Powerful 1.5 HP High-Capacity Motor – Ensures efficient and reliable performance even in demanding applications.
- Gas Ballast Feature – Enables faster vacuuming and helps prevent vapor condensation for longer pump life.
- Lightweight Design – Easy to carry and ideal for field technicians and on-site service work.
- Sparkless Motor – Provides enhanced safety and dependable operation in all environments.



Specifications:

Part# MEVP 14S-220

- Displacement: 14.4 CFM (407 L/min)
- Factory Rated: 15 Microns (2 × 10⁻¹ Pa)
- Power Supply: 220V~50/60Hz
- Motor Power: 1.5 HP Brushless AC Motor

- Power Cord: 10 ft. U.S. Type B Plug
- Oil Capacity: 16.907 oz.
- Dimensions: 15.3" × 5.4" × 10.9" 38.9 cm × 13.7 cm × 26.7 cm
- Weight: 34.6 lbs. (15.7 kg)

*As per terms and conditions of the product.

HVAC Power & Communication Cable

Hi-M.Solutek provides cables and is a trusted distributor and supplier of high-quality electrical cables, wiring harnesses, and customized connectivity solutions. We provide reliable, durable, and efficient power transmission products designed for household appliances, industrial equipment, automotive applications, and consumer electronics. Our focus is on delivering safe and high-performance cable solutions that meet modern industry standards and customer requirements.

Features:

- Flame-retardant & heat-resistant insulation
- High-quality copper conductor wires
- On-time delivery and consistent supply capacity
- Stringent quality control and testing
- End-to-end OEM/ODM manufacturing support



Applications:

- VRF power supply for indoor units
- Panel wires
- HVAC engineering applications
- Switchgear suitable for single-phase AC/DC and 3 phase systems

Cable Models:

Code	Description.	Type
HIM2C10SHO	2C x 1.00 SQ.MM SHIELDED CABLE YY	Communication
HIM2C10HO	2C x 1.00 SQ.MM CABLE YY	Communication
HIM2C15SHO	2C x 1.50 SQ.MM SHIELDED CABLE YY	Communication
HIM2C15HO	2C x 1.50 SQ.MM CABLE YY	Communication
HIM3C15PHO	3C x 1.50 SQ.MM COPPER CABLE YY	Power Cable
HIM3C25PHO	3C x 2.50 SQ.MM COPPER CABLE YY	Power Cable
HIM4C15PHO	4C x 1.50 SQ.MM COPPER CABLE YY	Power Cable
HIM4C25PHO	4C x 2.50 SQ.MM COPPER CABLE YY	Power Cable

*Shield Purpose: The shield acts as a Faraday cage – a surface that reflects electromagnetic radiation. This reduces both the interference from outside noise on the signals and the signals from radiating out and potentially disturbing other devices.

*Note: Any other color available on request, subject to MOQ and customization.



Training & Workshops Overview

Continuous learning is critical in an evolving HVAC landscape. Hi-M.Solutek focuses on strengthening technical expertise through dedicated training programs and hands-on workshops, enabling professionals to deliver safe, efficient, and high-quality HVAC installations and services.

